

**California Department of Transportation
Storm Water Management Program
Regional Work Plan
Central Valley Region 5**

**Fiscal Year
2006-2007**

CTSW-RT-06-132-16.1



**California Department of Transportation
Division of Environmental Analysis
Storm Water Management Program
111 Grand Avenue, Oakland, California 94623
<http://www.dot.ca.gov/hq/env/stormwater>**

April 1, 2006



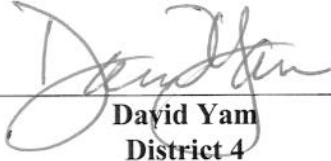
For individuals with sensory disabilities, this document is available in alternate formats upon request. Please call or write to the Storm Water Liaison, Caltrans Division of Environmental Analysis, P.O. Box 942874, MS-27, Sacramento, CA 94274-0001, (916) 653-8896 Voice, or dial 711 to use a relay service.

**California Department of Transportation
District 4 Certification**

Regional Work Plan 2006-2007

**California Regional Water Quality Control Board
Central Valley Region 5**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]



David Yam
District 4

3-16-06

Date

CONTENTS

1.0	Introduction	1-1
2.0	Department Personnel and Responsibilities.....	2-1
3.0	District Facilities and Water Bodies	3-1
4.0	High-Risk Areas.....	4-1
5.0	Implementation Activities.....	5-1

TABLES

Table 2–1:	District 4 Department Storm Water Personnel	2-7
Table 2–2:	District 4 Signatory Authority for Key Documents.....	2-8
Table 3–1:	District 4 Facilities.....	3-1
Table 4–1:	District 4 High-Risk Areas	4-2
Table 5–1:	District 4 (Region 5) Anticipated Project Development/Construction Schedule	5-3
Table 5–2:	District 4 Anticipated Maintenance Activities and Other Management Practices	5-5
Table 5–3:	District 4 General Management Practices.....	5-6

FIGURE

Figure 3–1:	District 4 RWQCB and H.U. Boundaries.....	3-3
-------------	---	-----

1.0 INTRODUCTION

General Information about this Regional Work Plan (RWP)

The Regional Work Plan (RWP) provides region-specific information for District 4, Region 5's water bodies, Best Management Practices (BMPs), and monitoring programs. The purpose of the RWP is to describe how the California Department of Transportation (Department) will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board (RWQCB) during Fiscal Year 2006-2007 as required by the *Department Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ* (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District storm water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

Goals and Commitments

District 4 will continue to train its Design, Construction, Permits, and Maintenance staff on storm water issues by conducting tailgate meetings and formal classes on specific storm water management strategies and activities. New training for engineering staff will include the principles of designing treatment BMPs. The District continues to implement its storm water program for all Divisions. The District NPDES Storm Water Coordinator evaluates projects on a regular basis to ensure that measures required by the SWMP are effectively implemented. Adjustments will be developed and implemented as the evaluation results identify.

Major Changes

As necessary, the District will evaluate what changes should be made to the District's Departments to improve implementation of the SWMP. Major upcoming changes will include compliance with the requirements of the new Department NPDES permit and revised SWMP, which is currently under negotiation with the State Water Resources Control Board (SWRCB).

Documentation

As necessary, the District will evaluate what changes should be made to the District's documents to improve communication and reporting accuracy. Internal storm water documentation may be updated to reflect the changes.

This page intentionally left blank.

2.0 DEPARTMENT PERSONNEL AND RESPONSIBILITIES

District Storm Water Program Manager

The District Storm Water Program Manager (Manager) is the Office Chief of the Office of Water Quality and Mitigation. He supervises the Storm Water Coordination Branch, the Water Pollution Control Branch, and the Erosion Control Branch. The Manager is in charge of all storm water activities in the District. The Manager is accountable for establishing an effective water quality/storm water program and maintaining a liaison with Headquarters and District Program Managers (Division Chiefs) for the purpose of effective communication, collaboration, and coordination of storm water activities. The Program Manager provides support, direction, and guidance to the District Storm Water Coordinator (DSWC).

The responsibilities of the District Storm Water Program Manager are as follows:

- Direct District operations regarding water quality and storm water.
- Align District efforts to achieve compliance with the NPDES permit.
- Be the ultimate signatory authority in the District for all compliance documents and commitments regarding storm water management.
- Work as the primary liaison, on water quality and waste discharge issues between the District and Headquarters, the State Water Resources Control Board, the Regional Water Quality Control Boards, U.S. Environmental Protection Agency, and other agencies.
- Arbitrate disputes and disagreements on policies, activities, assignments, and responsibilities regarding storm water issues.

District Storm Water Coordinator

Under the general direction of the District Storm Water Program Manager, the District Storm Water Coordinator (DSWC) is responsible for developing District storm water quality policies and guidance, and daily management of the District's storm water quality program. The DSWC is responsible for identifying issues and developing recommendations related to storm water quality, regulated wastes, and other environmental issues that affect the District. The DSWC supervises staff, which supports and executes activities of the DSWC and the Storm Water Program. The specific storm water tasks for which the DSWC is responsible include the following:

- Provide guidance and direction for the preparation, development, and implementation of a comprehensive District Storm Water Program, as described in the RWP.
- Oversight of activities related to notification procedures for reuse of soil containing lead in accordance with variances issued by the Department of Toxic Substances Control (DTSC).
- Provides guidance on writing Storm Water Data Reports (SWDRs). Reviews and approves SWDRs.

- Ensure accuracy and adequacy of the storm water workload allocations for each fiscal year.
- Coordinate and track resource distributions, workloads, and projects within the District.
- Assist the District functional units in prioritizing, monitoring, tracking, and evaluating storm water resources, activities, and operations.
- Implement a quality assurance and quality control program for monitoring the activities of the District functional units, in order to ensure that the conditions of the Permit, SWMP, and RWP are implemented properly.
- Provide guidance and direction necessary to develop strategies for addressing regulations and mandates on storm water and waste discharges set forth by federal, state, and local regulatory agencies.
- Represent the District at the Storm Water Advisory Teams (SWATs) identified in the SWMP.
- Monitor and evaluate the storm water activities and procedures of municipalities, developers, and other agencies. Emphasis is appointed to those agencies in the Bay Area that encroach upon or administer projects within the Department's right-of-way.
- Establishes impartial and equitable decisions that benefit the Department in attaining the objectives of the Storm Water Program.
- Work as leader and chairperson of the District Storm Water Management Committee (SWMC).
- Determination and evaluation of storm water impacts during California Environmental Quality Act and/or National Environmental Policy Act (CEQA/NEPA) screening.
- Evaluation and recommendation of permanent control and treatment measures for addressing project storm water impacts.
- Preparation or aid in the preparation of the contract PS&E for inclusion of permanent control measures to improve or minimize water quality impacts.
- Assist in development of training programs.

Water Pollution Control Coordinator

The Water Pollution Control Coordinator (WPCC) is the Branch Chief of the Water Pollution Control Branch. The WPCC is responsible for working closely with the Erosion Control Coordinator (ECC) and the DSWC to incorporate water pollution recommendations into the planning, design, and construction of all projects in District 4. The specific storm water tasks for which the WPCC Coordinator is responsible include the following:

- Determination and evaluation of storm water impacts during California Environmental Quality Act and/or National Environmental Policy Act (CEQA/NEPA) screening.
- Identification of costs related to water pollution control, non-storm water discharges, and waste management on programming documents.
- Development of new specifications, details, and guidance materials related to non-storm water discharges and waste management.
- Preparation of contract specifications and estimates to address development of Storm Water Pollution Prevention Plans (SWPPPs).
- Preparation of contract plans, specifications, and estimates (PS&E) to address temporary controls for non-storm water discharges and waste management activities.
- Preparation of the report for Notification of Construction.
- Propose, develop, and manage storm water monitoring programs, in coordination with the Headquarters Environmental Program.
- Assistance to the District Permits Branch in evaluating water quality impacts and requirements of encroachment permit applications.

The WPCC, as a member of the SWMC, is also responsible for compiling and providing to the District Storm Water Coordinator, all Water Pollution Control related input required for the annual report, preparation of RWP and other permit related documents and reports.

Maintenance Coordinator

The Maintenance Coordinator is responsible for communicating with the DDC of Maintenance and the Maintenance Operation Team (MOT) regarding the proper implementation of maintenance related sections of the SWMP and RWP. The Maintenance Coordinator reports all storm water related maintenance activities to the SWMC and coordinates storm water training for maintenance staff as well as overseeing inspection of maintenance facilities and operations relative to Permit compliance. The Maintenance Coordinator is chairperson of the MOT that meets routinely to discuss water quality issues, update the Maintenance portion of the RWP, and compile information for the Annual Reports, as well as the SWMP. The Maintenance Coordinator serves as the conduit for information between the SWMC and maintenance offices, as well as the Headquarters Maintenance Program (esp. Maintenance SWAT identified in the SWMP).

Construction Coordinator

Under the general direction of the Division of Construction, the Construction Storm Water Coordinator (CSWC) is responsible for developing storm water quality policies and guidance, and daily management of Construction's storm water quality program. The CSWC is responsible for the proper implementation of the SWMP and the RWP within Construction. The CSWC supervises staff, which implements the program requirements in the field during the construction phase. The specific tasks for which the CSWC will be responsible include:

- Work as the primary point of contact for storm water issues during the construction phase.
- Develop and administer storm water training for Construction staff.
- Review Storm Water Pollution Prevention Plans (SWPPP).
- Track critical compliance milestones that occur prior to and during the course of construction.
- Conduct final project closeout inspections.
- Submit the Notice of Completions for SWPPP projects
- Submit approved SWPPPs to the RWQCBs as requested.
- Submit reports to the RWQCBs as requested.
- Provide oversight inspections for SWPPP projects.
- Prepare and submit Threat of Discharge reports.
- Prepare and submit Illicit Connection/ Discharge Reports for Construction
- Represent Construction in the District's SWMC Meetings.
- Provide input to the Annual Report.
- Participate on the Construction SWAT defined in the SWMP

The CSWC ensures that all enforcement actions or corrections requested by the Regional Boards are promptly implemented, and documented. The CSWC serves as the primary conduit for information during the construction phase for the RWQCBs, Headquarters Construction, and construction field staff. The CSWC supports the design related functional units in determining specific project needs and evaluation of water pollution control measures in the field.

Erosion Control Coordinator

The Erosion Control and Mitigation Branch facilitates the incorporation of water pollution and erosion control recommendations into the planning, design, and construction of all projects in District 4. The Erosion Control and Mitigation Branch Chief is the Erosion Control Storm Water Coordinator (ECC). The ECC is responsible for working closely with WPCC and the DSWC to incorporate erosion control recommendations into the planning, design, and construction of all projects in District 4. The ECC also provides field support to Construction, Maintenance, and Permits when requested.

- The specific storm water tasks for which the EC Coordinator is responsible include the following:
- Determination and evaluation of storm water impacts during CEQA/NEPA screening.
- Evaluation and recommendation of the vegetation for the permanent control and treatment control measures for addressing project storm water impacts.

- Identification of costs related to water pollution and erosion control on programming documents.
- Develops new specifications, details, and guidance materials related to erosion and sediment control.
- Preparation of contract PS&E to address erosion and sediment controls for projects.
- Provides guidance on writing Storm Water Data Reports (SWDRs). Reviews and signs SWDRs.
- Preparation or aid in the preparation of the contract PS&E for inclusion of permanent control and treatment control measures to improve or minimize water quality impacts on projects.
- Ensure that reuse locations of soil containing lead in accordance with variances issued by DTSC are not subject to erosion and stabilized as part of project design.
- Assist the District Permits Branch in evaluating erosion control requirements of encroachment permit applications.
- Conduct studies to improve water quality objectives on highway planting projects.
- Assist in development of training programs, especially that attributed to EC staff.
- Participate in the Design SWAT identified in the SWMP.

The EC Coordinator acts as the liaison with the Headquarters Office of Landscape Architecture to develop, submit, review, and gain approval for all specifications and details related to erosion and sediment control. Furthermore, the EC Coordinator is the contact for Headquarters' Design Program in the approval or concurrence with specifications related to water pollution control related to erosion and sediment control.

Right-of-Way Coordinator

The Right of Way Coordinator for the SWMC is currently a District Branch Chief of Property Management. This Coordinator is responsible to:

- Attend all SWMC meetings to report on Right of Way activities.
- Ensure that storm water training is available to Right of Way Agents tasked with property inspection responsibilities.
- Ensure that regular property inspections include storm water inspections.
- Maintain documentation of the inspection findings and corrective actions.
- Prepare a summary of completed storm water property inspections for use in Annual Reports.
- Disseminate information and answer questions regarding Department storm water policy to all Right of Way staff involved in storm water inspections.
- Notify the SWMC and/or the DSWC of discharges or situations that appear to be in gross violation of Department' Permit, SWMP, or RWP.

- Report instances where Right of Way may conduct construction activities that require the development of a SWPPP and related notification.

Engineering Services (Hydraulics) Representative

The Hydraulics Representative (HR) is a member of the SWMC responsible for providing information on permanent control measures, except those related to erosion control, that are being planned, designed, and implemented in projects. The HR is responsible for providing input and review of Annual Reports and RWPs. The HR ensures that the management and staff of the Hydraulics Branch are knowledgeable of the RWP and various water pollution control efforts and commitments for minimizing or preventing pollutants from being present in discharges. The HR ensures that the design processes utilized by the Hydraulics Branch are consistent with the RWP and the SWMP, especially those processes related to the evaluation, selection, and design of permanent control and treatment control measures.

Public Affairs Coordinator

The Public Affairs Coordinator is a member of the SWMC responsible for maintaining an effective public information program as specified in this RWP and any elements of the SWMP that are attributed to the District. The Public Affairs Coordinator is directly responsible for the following:

- Ensure publication of storm water articles within District publications (i.e. newsletters).
- Distribution of the District Storm Water Pamphlet
- Development and distribution of Public Service Announcements regarding storm water.

Ensuring that storm water information is available at miscellaneous events, such as County fairs and fleet week, for which Department might be a participant.

Permits Coordinator

The Permits Coordinator is a member of the SWMC responsible for ensuring that the District Office of Permits is in compliance with the Permit, SWMP, and RWP. The Office of Permits is responsible for issuing permits to local agencies, utility companies, and others (i.e. film production companies, marathon sponsors, etc.) that desire to encroach into the Department's right-of-way for conducting construction, maintenance, or other activities consistent with their organization. The Permits Coordinator ensures that all permits issued to those encroaching into the Department's right of way are in compliance the Permit in a manner that is consistent with that required of Maintenance, Construction, and Design.

In compliance with Permit Section M.10.b, the following individuals/positions listed in Table 2-2 are authorized to sign the documents, reports, and other information submitted by the District to either the SWRCB or the RWQCB(s). These individuals/positions may delegate authorization to their staff to sign various documents and reports required for implementation of the Storm Water Program.

Portions of Caltrans District 4 fall within the jurisdiction of the Central Valley Regional Water Quality Control Board (CV-RWQCB). An organizational chart for the Central Valley Region's Storm Water responsibilities is shown in Figure 2–1. Staff members responsible for implementing the SWMP within the CV-RWQCB jurisdiction are listed in Table 2–1. Delegation of signatory authority for key Permit/SWMP required documents is included in Table 2–2.

Table 2–1: District 4 Department Storm Water Personnel

Staff Name	Title	Phone No.	E-mail
David Yam	Storm Water Program Manager	510-286-5662	David_Yam@dot.ca.gov
Analette Ochoa*	District Storm Water Coordinator	510-286-6269	Analette_Ochoa@dot.ca.gov
Hardeep S. Takhar	Water Pollution Control Coordinator	510-286-7182	Hardeep_Takhar@dot.ca.gov
Robert Sorenson	District Maintenance Storm Water Coordinator	510-286-5215	Robert_Sorenson@dot.ca.gov
Dragomir Bogdanic	District Storm Water Construction Coordinator	510-622-0716	Dragomir_Bogdanic@dot.ca.gov
Kathleen Jenkins (acting)	Erosion Control Coordinator	510-622-1678	Kathleen_Jenkins@dot.ca.gov
Shirley Parker	Right-of-Way Coordinator	510-286-5322	Shirley_Parker@dot.ca.gov
Sharon Patch	Hydraulics Representative	510-286-4862	Sharon_Patch@dot.ca.gov
Lauren Wonder	Public Affairs Coordinator	510-286-6120	Lauren_Wonder@dot.ca.gov
Thomas Franklin	Permits Coordinator	510-286-4424	Thomas_Franklin@dot.ca.gov

* Analette Ochoa is the designated primary contact.

Table 2–2: District 4 Signatory Authority for Key Documents

Positions or Individuals	Documents Authorized for Signature
Storm Water Program Manager	All District Documents
Storm Water Coordinator	All District Documents except Regional Workplan
Construction Coordinator	SWPPP, Notice of Completion of Construction (NCC), Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification
Maintenance Coordinators, Managers, Office Chief, and HazMat Manager (See Section 4.1 of RWP)	Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, Report of Illicit Connection/Discharge, and Facility Pollution Prevention Plans
Permit Coordinator	Report of Illicit Connection/Discharge
Water Pollution Control Coordinator/ Environmental Engineering Office Chief	Notice of Soil Reuse with Aerially Deposited Lead (ADL) Notification of Construction, Notice of Construction Completion
Resident Engineers	SWPPPs, Notice and Report of Non-Compliance, and Discharge or Threat of Discharge Notification
Right-of-Way Coordinator	SWPPPs, Notice of Completion, Notice and Report of Non-Compliance, and Discharge or Threat of Discharge Notification
Facility Supervisor	Facility Pollution Prevention Plans

3.0 DISTRICT FACILITIES AND WATER BODIES

This section identifies Department facilities and water bodies within each District and Regional Board jurisdiction. A list of Department facilities, excluding roadways, is presented in Table 3–1. Maps showing the District boundaries, major roads and highways within the Central Valley RWQCB jurisdiction are presented in the accompanying Figure 3–1.

Table 3–1: District 4 Facilities

CO	Route	PM	Name	Comments
Maintenance Stations				
CC	4	28.9	Antioch	Highway Maintenance, 2817 Windsor Drive, Antioch, 94509-5054
SOL	12	26.0	Rio Vista	Highway Maintenance, 480 Highway 12, Rio Vista 94571
SOL	80	39.8	Dixon	Highway Maintenance, 8628 Sparling Lane, Dixon
Park and Ride Facilities				
SOL	80	25.3	Mason St.	Mason St. Peabody Rd in Vacaville

Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP.

This page intentionally left blank.

This page intentionally left blank.

4.0 HIGH-RISK AREAS

This section describes and identifies locations where spills from the Department's owned ROW, activities, roadways, or facilities can discharge directly to a municipal or domestic water supply reservoir or a ground water recharge (percolation) facility. Projects that potentially drain to these areas consider project features that enhance spill response.

A list of high-risk areas within District 4 is presented in Table 4–1. High-risk areas (defined in the Section E.2 of the Permit) are areas such as locations where spills from Department owned right-of-ways, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Additional sites may be added to the high-risk list based on discussion between the RWQCB and Department. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs and ground water percolation facilities, the Department first contacted known public and private water supply providers. From the information received, the Department determined which facilities were susceptible to a direct spill from a Department activity or facility. This determination was based on proximity between the water body and the Department's facility, use characteristics of the facility, and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

Goals and Commitments

The District is committed to maintaining the quality of water within its jurisdiction, as it has been since the inception of the program. In the event that any water quality concerns are detected in the future, goals and commitments will be developed and implemented to address those issues.

Coordination and Partnerships

As required by the SWMP and Permit, the District coordinates regularly with agencies, partners, local interested parties, and RWQCB staff to accomplish its storm water management goals. If future issues require, the District will coordinate with groups or agencies to implement BMPs wherever possible.

Documents and Reports

As necessary, the District will evaluate what changes should be made to the District's existing documents and/or guidance on storm water activities and tasks to improve implementation of the SWMP. Major upcoming changes to documents and reports will comply with the requirements of the new Permit and new SWMP, which is currently under development.

Educational Efforts

The District continues to conduct training classes, as needed, to train District staff and contractors on the use of BMPs to comply with SWMP requirements and to address how certain projects might potentially impact high-risk areas. The District will evaluate what training or educational sessions may be helpful in educating District staff about the special issues high-risk areas present and how to address them according to the requirements of the SWMP and Permit.

Table 4–1: District 4 High-Risk Areas

Road Segment/ Facility	County	High-Risk Area	Description	Comments
Route 128	Napa County	Lake Berryessa	Lake Berryessa is used as a domestic water supply.	The tight curves and steep grades along this section of Route 128 deter truck traffic resulting in a reduced exposure to hazardous spills.

5.0 IMPLEMENTATION ACTIVITIES

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when significant maintenance activities are initiated during the year. These projects are updates to the RWP provided each April. Table 5–1 includes a list of construction projects that meet one or more of the following criteria:

- The project involves greater than 5 acres of land disturbance, designated as “DSA”;
- The project affects a 303(d) listed water body within the project limits, designated as “303d”;
- The project requires a 401 Water Quality Certification or Waiver, designated as “401”;
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and the Department) designated as “SEP”;
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as “Retro”;
- The project includes Lahontan Regional Water Quality Control Board specific requirements for the Lake Tahoe Hydrologic Unit, designated as “LT”;
- The project limits are within a “High Risk Area,” designated as “HR”; and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as “RB.”

The information presented in Table 5–1 is intended to facilitate early RWQCB staff input in the project-planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. In addition, projects that require RWQCB review and approval of project SWPPPs/WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Table 5–1.

Table 5–2 presents a list of anticipated significant maintenance projects that have the potential to impact water quality; it provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s). Department DNCs or Maintenance Storm Water Coordinators will coordinate with the appropriate RWQCBs to discuss maintenance activities listed in the RWP.

Table 5–3 summarizes various program management activities that are part of the storm water pollution prevention program.

Goals and Commitments

The District continues to track and ensure storm water compliance in Department projects. Projects are reviewed to ensure implementation of storm water treatment controls and erosion control practices are being considered at each phase of the project.

Coordination and Partnerships

As required by the SWMP and Permit, the District coordinates regularly with agencies, partners, local interested parties, and RWQCB staff to accomplish its storm water management goals. If future issues require, the District will coordinate with groups or agencies to implement BMPs wherever possible.

Documents and Reports

As necessary, the District will evaluate what changes should be made to the District's existing documents and assess the need for new documents (such as manuals and guidance) that should be developed to improve implementation activities. Major upcoming changes to documents and reports will comply with the requirements of the new Permit and new SWMP, which is currently under development.

Educational Efforts

The District will evaluate what training or educational sessions may be helpful in educating District staff about implementation activities and how to address them according to the requirements of the SWMP and Permit.

Table 5–1: District 4 (Region 5) Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA#	CO	RTE	BK PM	AH PM	Description	Water Bodies Impacted by Project	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
										PA&ED Date	PS&E Date	Start Date	Completion Date
1	D	24653	CC	4	R35.6	R42.1	Construct Segment 3 of SR 4 BP	Marsh Creek, Kellogg Creek	DSA	08-01-05	11-25-05	12-01-05	06-01-07
2	D	24655	CC	4	30.1	33.6	Construct Segment 1-Phase 1 (Package 2) Of The State Route 4	Antioch Creek	DSA	06-29-04	03-03-05	04-01-05	06-01-07
3	B	0A840	CC	4	43.9	48.3	Upgrade Shoulders, and Install Median Buffer Zone	Marsh Creek, Kellogg Creek, Kendall Creek, Discovery Bay, Old River	DSA, 401	11-01-07	07-01-08	11-01-08	04-01-10
4	D	0T211	SOL	80	29.5	30.5	Widen From Two To Six Lanes And Reconstruct The Sol-80/Leisure Town	Horse Creek, Gibson Canyon Creek	DSA	04-01-98	12-01-03	04-01-04	10-01-06
5	D	44310	SOL	80	R27.3	R28.4	Widen Over crossing / Improve Off-Ramp And Add New On-Ramp	Pinetree Creek	DSA, 401	11-01-03	02-01-04	05-01-04	08-01-06
6	D	4C080	SOL	80	R26	R27.2	Seismic Retrofit & Rehabilitation: Ulatis Creek Bridge	Ulatis Creek	DSA, 401	04-01-04	12-28-05	10-01-06	10-01-07
7	D	44630	SOL	84	2.5	0	Replace Cache Slough Ferry	Cache Slough		05-30-02	04-01-06	06-30-06	02-01-07

Table 5-1 Legend

*SWMP Category is defined in Statewide Storm Water Management Plan (SWMP) Section 4.4.1, Table 4-3,

- | | |
|-----|---|
| (A) | Beginning of project development process prior to approval of the PSR (Project Study Report) |
| (B) | PSR approved, but environmental documents are not final |
| (C) | Environmental documents final |
| (D) | Environmental documents final, designs complete and project in the construction phase of project delivery |

Note: The most updated SWMP is dated insert new SWMP date. Therefore, the SWMP Categories A, B, C, and D are selected for the projects between the five years period of Year to Year from PID to CCA.

**Criteria:

- | | |
|------|--|
| DSA | = Disturbed Soil Area is greater than 5 acres |
| 303d | = 303(d) listed water body within project limits and affected by project |
| 401 | = 401 Certification/waiver required |
| HR | = High Risk (Project limit within a high-risk area) |

Key:

- | | |
|--------------|---|
| EA | = Expenditure Authorization |
| CO-RTE-PM | = County / Route / Post Mile |
| SWPPP / WPCP | = Storm Water Pollution Prevention Plan / Water Pollution Control Program |
| Water Body | = Water body impacted by project |
| RB | = Regional Water Quality Control Board |
| PID | = Project Initiation Document |
| PA/ED | = Project Approval / Environmental Document |
| PS&E | = Plans, Specifications, and Estimates |
| RTL | = Ready to List |
| CCA | = Construction Completion Acceptance |
| SEP | = Supplemental Environmental Project |
| Retro | = Storm Water Retrofit Project (SWMP Section 4.4.2) |

Note: All projects that do not require a SWPPP will require a WPCP.

Table 5–2: District 4 Anticipated Maintenance Activities and Other Management Practices

Significant Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria (2)	Start Date	Completion Date
None							
Maintenance Facility and Activity Inspections							
The District Maintenance Storm Water Coordinator will schedule 25% of the Maintenance Facilities within District 4 for annual inspection. These inspections will be used to ensure that BMPs are consistent with those described in each Facility Pollution Prevention Plan (FPPP). Also, the inspections will be used to evaluate the effectiveness of the BMPs and to recommend any needed changes to the BMPs or the FPPP, which are to be identified in the RWP for next year. Activity inspections will be scheduled on a regular basis as described in the SWMP.							
Maintenance Facility BMP Improvements							
Maintenance Station storm water compliance will be reviewed with the Supervisors on an on going basis. Modification of the drainage systems in the Half Moon Bay and Calistoga maintenance stations are planned to prevent erosion and sediment build up.							
Maintenance BMP Actions/Modifications							
Over half of the original identified temporary waste storage locations are to be eliminated. Review new and approved BMPs as they become available and implement when appropriate. Review existing BMPs and modify where necessary.							
Vegetation Management and Vegetated Slope Management							
<p>The District's Vegetation Control Plan (VCP) for FY 2005/2006 is under development. The goal of the District's 05-06 VCP is to minimize the discharge of chemicals to receiving waters by reducing chemical use for vegetation control. The district VCPs are under development at this time. They include the following:</p> <ul style="list-style-type: none"> • Type of chemical to be applied • Applications locations, widths, total acres applied, frequency, amount totals • Reason for application 							

Table 5-2 Legend

- (1) Significant road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and Department staff.
- (2) Criteria:
- 401 = 401 Certification/Waiver required
 - DSA = Disturbed Soil Area is greater than 5 (5) acres
 - 303d = 303 (d) listed water body within project limits and affected by project
 - SEP = Supplemental Environmental Project
 - Retro = Storm Water Retrofit Project (SWMP Section Update with correct section #)
 - HR = Project limits within High Risk Area
 - RB = RWQCB designated project as a potential threat to water quality

Table 5–3: District 4 General Management Practices	
Monitoring Activities	
Monitoring activities will be conducted in accordance with the statewide program described in the Storm Water Monitoring Plan. The sites identified for monitoring in District 4 are as follows:	
Location	3-Year Action Plan Supporting Study
Alameda County, Route 580 W	Highway Runoff Characterization Study
Contra Costa County, Route 680 N	Highway Runoff Characterization Study
Solano County, Route 680 S	Highway Runoff Characterization Study
Solano County, Route 80, Lemon Street North Park and Ride	Park and Ride Lot Characterization Study
Contra Costa County, Route 80, Willow Ave. East Park and Ride	Park and Ride Lot Characterization Study
Alameda County, San Leandro Maintenance Yard	Maintenance Station Characterization Study
Alameda County, Walnut Creek East Maintenance Station	Maintenance Station Characterization Study
Construction Compliance Monitoring Program	
Construction activities are inspected through the Construction Compliance Monitoring Program, and through the Construction Services Branch- Office of Water Quality. A summary of the results is provided in the annual report.	
The Construction Storm Water Coordinator's and or designated staff will review 100% of the submitted SWPPP documents.	
The Construction Storm Water Coordinator and or designated staff will inspect 100% of all projects that are required to have a SWPPP.	
Training and Public Outreach	
Storm water staff intends to provide updated training on storm water processes for design staff. Similar events will be planned for outreach to the transportation authorities, other outside agencies, and consultants, which commonly plan and design projects for construction within the Department right-of-way.	
The Division of Construction intends to repeat the introductory Storm Water Training for staff that need "refresher" training and any new staff. Training courses that specifically address responsibilities of Resident Engineers and inspectors are offered throughout the year. The class for Resident Engineers will be mandatory for those that did not attend the previous year and optional to those that did attend the previous training. All training will be made available to staff at the Transportation Authorities that have construction contracts within the State right-of-way. Information regarding training classes is also available for contractors to fulfill the 24 hour training requirement for SWPPP prepares and Contractor's on-site "Water Pollution Control Manager",	
<p>The Division of Maintenance intends to provide "Storm Water Pollution Prevention" training to all maintenance employees. The training program is executed through the following four venues:</p> <ul style="list-style-type: none"> • Standardized Training Modules given at the Supervisors/Superintendents Annual Meeting and forwarded to crew personnel • BMP tailgate meetings with crews every 10 working days • Facility Inspections to verify compliance – review with crew and supervisors • Operational BMP inspections to verify compliance - review with crew and supervisors <p>The District Maintenance Web Site has these Training Modules available as well as a general informational site that is updated quarterly.</p>	
The District will work to develop a Storm Water Pollution Prevention Public Outreach Campaign.	

Table 5–3: District 4 General Management Practices

Municipal Coordination

The District Storm Water Coordinator will meet with the other permitted municipalities at a minimum of one time during the reporting period. The attendance of the Coordinator or associated staff at county organized meetings (i.e. Alameda Countywide Clean Water Program) where the permittees are represented will constitute fulfillment of this goal. The Coordinator will bring to the attention the municipalities any illicit discharges or connections that have been discovered within the Department right-of-way that are associated with a municipality's jurisdiction. This may also be accomplished by sending written correspondence to the municipality. The Coordinator will also discuss possible opportunities to participate in public outreach programs that are sponsored by the municipalities.